

PORSF
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SECTION I - GENERAL INFORMATION

Chemical Name & Synonyms

A

Trade Name & Synonyms

ND-150

Chemical Family:

ALKALINE MIXTURE

Formula Mixture --> X

Manufacturer's Name:

CHEMSEARCH DIV. OF NCH CORP.

Address:

BOX 152170
IRVING, TX 75015

Prepared By:

R STOLLEY/CHEMIST

Product Code Number

0003

Emergency Phone Number

800-424-9300

SECTION II - HAZARDOUS INGREDIENTS

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)

SODIUM METASILICATE
ETHYLENE GLYCOL MONOBUTYL ETHER
SODIUM DODECYLBENZENE SULFONATE

Hazard

IRRITANT
IRRITANT
IRRITANT

TLV

NOT EST. 1
25 PPM 1
NOT EST. 1

PEL

NOT EST. 2
25 PPM 2
NOT EST. 2

STEL

NOT EST.
NOT EST.
NOT EST.

CAS

6834-92-0
111-76-2
25155-30-0

SECTION IIa - NON-HAZARDOUS INGREDIENTS

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)

Secret Registry #: 409363-5024P

SECTION III - PHYSICAL DATA

Boiling Point (F):	210	Specific Gravity (H2O=1):	1.04
Vapor Pressure (MM HG):	17	Color:	YELLOW-GREEN
Relative Density (Air=1):	0.6	Odor:	SWEET
PH @ 100% :	12.2	Clarity:	TRANSPARENT
% Volatile by Volume:	93	Evaporation Rate (BU A/C=1):	<1
H2O Solubility:	COMPLETE	Viscosity:	NON-VISCOUS

SECTION IV - FIRE AND EXPLOSION HAZARD

Flash Point
NON-FLAM / N/AFlammable Limits
N/ALEL
N/AUEL
N/A

Extinguishing Media

X --Foam X --Alcohol Foam X --CO2 X --Dry Chemical X --Water Spray --Other

Special Fire Fighting Procedures:

FIREFIGHTERS SHOULD WEAR A SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

Unusual Fire and Explosion Hazards:

USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS TO PREVENT BURSTING.

Aerosol Level (NPPA 30B): N/A

NPPA 704 Hazard Rating (0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme)

2 --Health 1 --Flammability 0 --Instability --Special

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value:

NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

-Acute (Short Term Exposure)

EYE CONTACT: CAUSES SEVERE IRRITATION SEEN AS TEARING, REDNESS AND BURNING SENSATION. MAY CAUSE CORNEAL DAMAGE. SKIN CONTACT: CAUSES SEVERE IRRITATION SEEN AS REDNESS, ITCHING AND A BURNING SENSATION. PRODUCT MAY BE ABSORBED THROUGH THE SKIN IN HARMFUL AMOUNTS. INHALATION: CAUSES IRRITATION OF THE RESPIRATORY TRACT, HEADACHE, NAUSEA, VOMITING, DROWSINESS, WEAKNESS, APATHY, SLURRED SPEECH, TREMORS, BLURRED VISION, STUTTERING, STAGGERING GAIT. INGESTION: CAUSES IRRITATION, NAUSEA, DIZZINESS, DROWSINESS, HEADACHE, MENTAL CONFUSION, SLURRED SPEECH OR STUPOR. INGESTION OF EXCESSIVE AMOUNTS MAY PRODUCE SYMPTOMS OF INTOXICATION.

-Chronic (Long Term Exposure)

ABSORPTION THROUGH THE SKIN OR LUNGS DUE TO REPEATED OR PROLONGED CONTACT OR INHALATION MAY CAUSE LIVER ABNORMALITY, KIDNEY OR LUNG DAMAGE, SPLEEN DAMAGE, BLOOD ABNORMALITY, WEIGHT LOSS, ANOREXIA OR DAMAGE TO THE TESTES. TARGET ORGANS: KIDNEYS, LUNGS, LIVER, SPLEEN, BLOOD AND TESTES. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE INCLUDE DISEASES AND DISORDERS OF THE KIDNEYS, LIVER, LUNGS, SPLEEN, BLOOD AND TESTES.

USEPA SF



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SECTION V - HEALTH HAZARD DATA (Continued)

X <--Inhalation <--Ingestion X <--Absorption

Primary Routes of Entry:

Emergency and First Aid Procedures:

-Inhalation:

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

-Eye Contact:

IMMEDIATELY RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES. HOLD THE EYELIDS APART TO ENSURE RINSING OF THE ENTIRE SURFACE OF THE EYES AND LIDS WITH WATER. CONTINUE FLUSHING FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

-Skin Contact:

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. GET IMMEDIATE MEDICAL ATTENTION. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

-Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. GET IMMEDIATE MEDICAL ATTENTION. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON.

-Notes to Physician:

ORGANIC ABNORMALITIES RESULTING FROM OVEREXPOSURE TO ETHYLENE GLYCOL MONOBUTYL ETHER BY ANY ROUTE LIKELY WOULD BE AN ABNORMAL BLOOD PICTURE CHARACTERIZED BY ERYTHROPENIA, RETICULOCYTOSIS, GRANULOCYTOSIS AND LEUKOCYTOSIS.

SECTION VI - TOXICITY INFORMATION

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:

IARC--> No NTP--> Yes OSHA--> No ACGIH--> No OTHER--> No

SODIUM METASILICATE

SKN-HMN: 250 MG/24H SEV 3.
ORL-PIG LD50: 250 MG/KG 3.
ORL-RAT LD50: 1280 MG/KG 3.
SKN: 10% IRRITANT 3.

SODIUM DODECYL BENZENE SULFONATE

ORL-RAT LD50: 1200 MG/KG 3.
ORL-MUS LD50: 2000 MG/KG 3.
SKN-RBT 500 MG/24 H MOD 3.
EYE-RBT 250 UG/24 H SEV 3.

ETHYLENE GLYCOL MONOBUTYL ETHER

ORL-RAT LD50: 470 MG/KG 4.
SKN-RBT LD50: 220 MG/KG 4.
IHL-RAT LC50: 700 PPM/4H 4.

INHALATION EXPOSURE TO BUTYL CELLUSOLVE PRODUCED SOME EVIDENCE OF CANCER IN MICE IN A LONG-TERM BIOASSAY, BUT NO EVIDENCE OF CANCER IN MALE RATS AND EQUIVOCAL EVIDENCE IN FEMALE RATS. 5.

SCAQMD VOC INFORMATION. VOC CONTENT 39 G/L. VAPOR PRESSURE OF THE VOC COMPONENT, 0.9 MMHG @ 20°C. THE VOC COMPONENT IS NOT PHOTOCHEMICALLY REACTIVE.

SECTION VII - REACTIVITY DATA

Stability: X <--Stable <--Unstable

Conditions to Avoid:

NONE KNOWN.

Incompatibility (Materials to Avoid):

OXIDIZERS, ACIDS. DO NOT STORE IN OR ALLOW LONG TERM CONTACT WITH ZINC, MAGNESIUM, OR ALUMINUM.

Hazardous Decomposition Products:

OXIDES OF CARBON AND SILICA.

Hazardous Polymerization:

<--May Occur

X <--Will Not Occur

Conditions to Avoid:

NONE KNOWN.

SECTION VIII - SPILL OR LEAK PROCEDURES

Steps to be Taken if Material is Released or Spilled:

DIKE AND CONTAIN SPILL IF SAFE TO DO SO. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL. WEAR APPROPRIATE PROTECTIVE CLOTHING. PREVENT PRODUCT FROM CONTAMINATING SOIL OR FROM ENTERING SEWAGE AND DRAINAGE SYSTEMS AND BODIES OF WATER. USE CARE AS SPILLS MAY BE SLIPPERY.

Waste Disposal Method(s):

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent:

USE DILUTE ACIDS SUCH AS HYDROCHLORIC ACID OR VINEGAR. ADD CAUTIOUSLY WHILE MIXING. WEAR APPROPRIATE PROTECTIVE CLOTHING.

SECTION IX - SPECIAL PROTECTION INFORMATION

Required Ventilation:

LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE MISTS OR VAPORS.

Respiratory Protection:

A NIOSH/MSHA APPROVED RESPIRATOR IN POORLY VENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV OR OSHA PEL OR WHERE MISTING EXISTS.

Glove Protection:

NEOPRENE RUBBER OR NITRILE GLOVES SHOULD BE WORN.

Eye Protection:

CHEMICAL GOGGLES SHOULD BE WORN.

Other Protection:

WEAR PROTECTIVE CLOTHING WHEN HANDLING.

SECTION IX - SPECIAL PROTECTION INFORMATION (Continued)

SECTION X - STORAGE AND HANDLING INFORMATION

Storage Temperature: Indoors--> X Outdoors--> Heated--> Refrigerated-->
Minimum Temperature: 32 F. Maximum Temperature: 120 F.

Precautions to be taken in Handling and Storing:

WAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. KEEP FROM FREEZING. IF PRODUCT FREEZES ALLOW IT TO
WARM TO ROOM TEMPERATURE AND STIR THOROUGHLY BEFORE USING.

Other Precautions:

KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

SECTION XI - REGULATORY INFORMATION

Chemical Name

None

CAS Number

Upper & Limit

Those ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer.
This MSDS is not intended for users in the state of California.

SECTION XII - REFERENCES

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1998. 2. OSHA PEL.
 3. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 1998.
 4. VENDOR'S MSDS
 5. CHEMICAL MANUFACTURERS ASSOCIATION, NOVEMBER 9, 1998.
- ALL COMPONENTS IN THIS PRODUCT CAN BE FOUND IN THE CURRENT TSCA INVENTORY.

IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE
CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED,
COC: CLEVELAND OPEN CUP, FMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE
CLOSEDCUP, LEL: LOWER EXPLOSION LIMIT, UEL: UPPER EXPLOSION LIMIT,
NFPA: NATIONAL FIRE PROTECTION ASSOCIATION, IARC: INTERNATIONAL AGENCY FOR
THE RESEARCH ON CANCER, NTP: NATIONAL TOXICOLOGY PROGRAM, OSHA: OCCUPATIONAL
SAFETY & HEALTH ADMINISTRATION, ACHGIH: AMERICAN CONFERENCE OF GOVERNMENTAL
INDUSTRIAL HYGIENISTS, TLV: THRESHOLD LIMIT VALUE, PEL: PERMISSIBLE EXPOSURE
LEVEL, STEL: SHORT-TERM EXPOSURE LIMIT, MLD: MILD, MOD: MODERATE, SEV: SEVERE,
MUT: MUTAGENIC, ASPHYX: ASPHYXANT, PNOC: PARTICULATES NOT OTHERWISE CLASSI-
FIED

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